

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2018 Levee Inspection Results

Butte County Department of Public Works

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2018 Levee Inspection Results

Butte County Department of Public Works

Waterway			Bank	Unit Miles
Unit No. 01 Mud Creek			Right	6.80
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/20/2018 - 3/20/2018			
DWR Inspector	Bob Duffey			
Accompanied By	Shawn Bates Butte County			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_NA0003_01_s_2013_6				
Comment Code					
Inspector Comment					
LMA has flood fight supplies & equipment.					

No Photos

LM Start		Rating **	A	Issue No.	10
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_NA0003_01_s_2013_10				
Comment Code					
Inspector Comment					
The LMA completed flood fight training in 2016.					

No Photos

LM Start		Rating **	A	Issue No.	58
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_NA0003_01_f_2017_58				
Comment Code					
Inspector Comment					
The LMA has O&M Manuals.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	0.25	Rating **	A/W	Issue No.	59
LM End	0.25	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.729219 °	39.729219 °
				-121.933437 °	-121.933437 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:29705 DS_ID:19209 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Looks cleaned recently. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.26)]. FS Date: 2/20/2014					

LM Start	0.25	Rating **	A/W	Issue No.	59 (cont)
LM End	0.25	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_29705_54924.jpg



WS view: U typed concrete headwall, flapgate on levee slope.

Photo 2 of 3 : UCIP_SP_2018_29705_54923.jpg



LS view: U typed concrete headwall, CMP on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	0.25	Rating **	A/W	Issue No.	59 (cont)	
LM End	0.25	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.729219 °		39.729219 °
				-121.933437 °		-121.933437 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:29705 DS_ID:19209 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Looks cleaned recently. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.26)]. FS Date: 2/20/2014						

Photo 3 of 3 : UCIP_SP_2018_29705_54922.jpg



LS view: inside view of CMP on levee slope. Looks clean and clear.

LM Start	1.00	Rating **	M	Issue No.	60	
LM End	1.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.739268 °	39.739268 °	
				-121.931891 °	-121.931891 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:32044 DS_ID:19211 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Vegetation debris on waterside. Needs clearing and cleaning. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.03)]. FS Date: 2/20/2014						

Photo 1 of 3 : UCIP_SP_2018_32044_58543.jpg



WS view: U typed concrete headwall, pipe, and flapgate on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	1.00	Rating **	M	Issue No.	60 (cont)	
LM End	1.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.739268 °	39.739268 °	
				-121.931891 °	-121.931891 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:32044 DS_ID:19211 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Vegetation debris on waterside. Needs clearing and cleaning. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.03)]. FS Date: 2/20/2014						

LM Start	1.00	Rating **	M	Issue No.	60 (cont)
LM End	1.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_32044_58542.jpg



WS view: vegetation debris blocking outlet.

Photo 3 of 3 : UCIP_SP_2018_32044_58541.jpg



LS view: U typed concrete headwall and CMP on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	1.19	Rating **	M	Issue No.	46
LM End	1.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.740082 °	39.740697 °
				-121.928383 °	-121.927844 °
DWR ID	DWR_NA0003_01_f_2016_46				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2018_NA0003_64_46_20180305_00025.jpg



View of a ditch along the toe.

LM Start	1.29	Rating **	C	Issue No.	23
LM End	1.29	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.741277 °	39.741277 °
				-121.927485 °	-121.927485 °
DWR ID	DWR_NA0003_01_f_2014_23				
Comment Code					
FW : Firewood					
Inspector Comment					
The firewood was removed from the landside toe.					

No Photos

LM Start	1.69	Rating **	M	Issue No.	15
LM End	1.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.745718 °	39.745718 °
				-121.923124 °	-121.923124 °
DWR ID	DWR_NA0003_01_s_2014_15				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside toe					

Photo 1 of 1 : SP_2018_NA0003_64_15_20180402_00070.jpg



View of the prunings along the landside toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	1.90	Rating **	A/W	Issue No.	61
LM End	1.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.747563 °	39.747563 °
				-121.920170 °	-121.920170 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50142
DS_ID:19212
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 08/29/2016: Shawn Bates of NA0003 has cleared the LS and WS of debris and blockage; WS gate functions properly now. Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)08/11/2016: Same as last inspection. (K. Fazel - UCIP)02/20/2014: No riprap spillway on waterside. Needs cleaning and clearing of debris. Flap gate was not fully closed. (P. Amatya - UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.95)].
FS Date: 8/11/2016

LM Start	1.90	Rating **	A/W	Issue No.	61 (cont)
LM End	1.90	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_50142_55886.jpg



WS view: U type concrete headwall, flapgate on levee slope. Gate was not fully closed.

Photo 2 of 3 : UCIP_SP_2018_50142_55885.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris blocking inlet.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	1.90	Rating **	A/W	Issue No.	61 (cont)	
LM End	1.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.747563 °	39.747563 °	
				-121.920170 °	-121.920170 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50142 DS_ID:19212 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/29/2016: Shawn Bates of NA0003 has cleared the LS and WS of debris and blockage; WS gate functions properly now. Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)08/11/2016: Same as last inspection. (K. Fazel - UCIP)02/20/2014: No riprap spillway on waterside. Needs cleaning and clearing of debris. Flap gate was not fully closed. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.95)]. FS Date: 8/11/2016						

Photo 3 of 3 : UCIP_SP_2018_50142_55884.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	1.97	Rating **	M	Issue No.	42
LM End	1.99	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.747946 °	39.748170 °
				-121.918881 °	-121.918778 °
DWR ID	DWR_NA0003_01_s_2016_42				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landscaping vegetation obscuring visibility on the landside toe.					

Photo 1 of 1 : SP_2018_NA0003_64_42_20180305_00024.jpg



View of the overgrown trees at the landside levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	2.00	Rating **	M	Issue No.	3
LM End	2.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.748330 °	39.748867 °
				-121.918685 °	-121.918533 °
DWR ID	DWR_NA0003_01_s_2012_3				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP_2018_NA0003_64_3_20180305_00002.jpg



View of the fences along the landside toe.

LM Start	2.03	Rating **	M	Issue No.	48
LM End	2.11	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.748784 °	39.749872 °
				-121.918597 °	-121.918296 °
DWR ID	DWR_NA0003_01_f_2016_48				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2018_NA0003_64_48_20180305_00026.jpg



View of landscaping vegetation blocking visibility.

LM Start	2.04	Rating **	M	Issue No.	47
LM End	2.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.748797 °	39.749034 °
				-121.918592 °	-121.918526 °
DWR ID	DWR_NA0003_01_f_2016_47				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	2.06	Rating **	U	Issue No.	40
LM End	2.08	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.749145 °	39.749461 °
				-121.918506 °	-121.918425 °
DWR ID	DWR_NA0003_01_s _ 2016_40				
Comment Code					
FE : Fence					
Inspector Comment					
Piecemeal corrugated fencing with vegetation completely obscuring landside toe. Small fort included along fencing.					

Photo 1 of 1 : SP_2018_NA0003_64_40_20180305_00021.jpg



View of a metal fence and treehouse obstructing visibility and access.

LM Start	2.06	Rating **	U	Issue No.	41
LM End	2.06	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.749149 °	39.749149 °
				-121.918510 °	-121.918510 °
DWR ID	DWR_NA0003_01_s _ 2016_41				
Comment Code					
DE : Debris					
Inspector Comment					
Homeowner was dragging soil across levee and is still dumping debris on waterside Berm.					

No Photos

LM Start	2.10	Rating **	U	Issue No.	24
LM End	2.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.749732 °	39.749732 °
				-121.918270 °	-121.918270 °
DWR ID	DWR_NA0003_01_s _ 2012_24				
Comment Code					
BU : Building					
Inspector Comment					
Shed and plank fencing blocking visibility.					

Photo 1 of 1 : SP_2018_NA0003_64_24_20180305_00007.jpg



View of a metal shed and fence along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	2.12	Rating **	M	Issue No.	57
LM End	2.12	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.750037 °	39.750037 °
				-121.918237 °	-121.918237 °
DWR ID	DWR_NA0003_01_f_2017_57				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the waterside toe.					

Photo 1 of 1 : SP_2018_NA0003_64_57_20180305_00035.jpg



View of the prunings along the waterside toe.

LM Start	2.59	Rating **	M	Issue No.	49
LM End	2.59	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.755930 °	39.755930 °
				-121.914829 °	-121.914829 °
DWR ID	DWR_NA0003_01_f_2016_49				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

Photo 1 of 2 : SP_2018_NA0003_64_49_20180305_00027.jpg



View of the prunings along the landside toe.

LM Start	2.59	Rating **	M	Issue No.	49 (cont)
LM End	2.59	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2018_NA0003_64_49_20180305_00028.jpg



View of the prunings along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	2.71	Rating **	M	Issue No.	62	
LM End	2.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.757445 °	39.757445 °	
				-121.913654 °	-121.913654 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:30291						
DS_ID:19230						
EP_NO: 16633						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: A concrete water control box on landside shoulder.It needs confirmation and more info from LMA and/or DWR Inspector.						
FIELD_STRUCT_DESC: 2-inch coated and wrapped steel storm water discharge pipeline through the right bank and landside (LS) levee toe of Mud Creek. Submerged pump in a 36-inch corrugated metal pipe (CMP) casing, approximately 10 feet from the LS toe. Drainage ditch, up to 4 feet wide, runs perpendicular to the levee alignment starting at a CMP riser and running away from the levee. (Plans to install a 2-inch storm water discharge pipe through the levee and a pump on a concrete base on the right bank LS levee toe of Mud Creek authorized under Permit No. 16633, 1996 - Jim Paiva).						
FS Date: 2/20/2014						

LM Start	2.71	Rating **	M	Issue No.	62 (cont)
LM End	2.71	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2018_30291_55700.jpg



LS view: CMP riser on levee toe (top) and control box on levee shoulder (bottom).

Photo 2 of 3 : UCIP_SP_2018_30291_55699.jpg



LS view: CMP riser on levee toe and drainage ditch perpendicular to the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	2.71	Rating **	M	Issue No.	62 (cont)	
LM End	2.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.757445 °	39.757445 °	
				-121.913654 °	-121.913654 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:30291 DS_ID:19230 EP_NO: 16633 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: A concrete water control box on landside shoulder.It needs confirmation and more info from LMA and/or DWR Inspector. FIELD_STRUCT_DESC: 2-inch coated and wrapped steel storm water discharge pipeline through the right bank and landside (LS) levee toe of Mud Creek. Submerged pump in a 36-inch corrugated metal pipe (CMP) casing, approximately 10 feet from the LS toe. Drainage ditch, up to 4 feet wide, runs perpendicular to the levee alignment starting at a CMP riser and running away from the levee. (Plans to install a 2-inch storm water discharge pipe through the levee and a pump on a concrete base on the right bank LS levee toe of Mud Creek authorized under Permit No. 16633, 1996 - Jim Paiva). FS Date: 2/20/2014						

Photo 3 of 3 : UCIP_SP_2018_30291_55698.jpg



LS view: inside view of CMP riser. Pipe, gate valve, air vent, and submersible pump in the riser.

LM Start	2.74	Rating **	M	Issue No.	56
LM End	2.74	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.757763 °	39.757763 °
				-121.913320 °	-121.913320 °
DWR ID	DWR_NA0003_01_s_2017_56				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2018_NA0003_64_56_20180305_00034.jpg



View of the prunings along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	2.93	Rating **	M	Issue No.	1
LM End	2.93	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.759755 °	39.759755 °
				-121.911160 °	-121.911160 °
DWR ID	DWR_NA0003_01_s_2012_1				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside slope.					

Photo 1 of 1 : SP_2018_NA0003_64_1_20180305_00001.jpg



View of the pruning pile along the landside toe.

LM Start	2.98	Rating **	M	Issue No.	39
LM End	2.98	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.760539 °	39.760539 °
				-121.911376 °	-121.911376 °
DWR ID	DWR_NA0003_01_s_2016_39				
Comment Code					
AV : Abandoned vehicles					
Inspector Comment					
Truck and farm equipment blocking landside toe.					

Photo 1 of 1 : SP_2018_NA0003_64_39_20180305_00020.jpg



View of equipment and vehicles along the landside toe.

LM Start	3.02	Rating **	M	Issue No.	25
LM End	3.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.761085 °	39.761085 °
				-121.911048 °	-121.911048 °
DWR ID	DWR_NA0003_01_s_2012_25				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside slope.					

Photo 1 of 1 : SP_2018_NA0003_64_25_20180305_00008.jpg



View of the prunings and wooden posts along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	3.03	Rating **	M	Issue No.	63	
LM End	3.03	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.761224 °	39.761224 °	
				-121.911108 °	-121.911108 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:30294 DS_ID:19216 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Inlet and outlet needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.11)]. FS Date: 2/20/2014						

LM Start	3.03	Rating **	M	Issue No.	63 (cont)
LM End	3.03	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_SP_2018_30294_55704.jpg



WS view: U type concrete headwall, flapgate on levee slope.

Photo 2 of 2 : UCIP_SP_2018_30294_55703.jpg



LS view: U type concrete headwall and CMP on levee slope. Debris blocking the inlet pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	3.15	Rating **	M	Issue No.	31
LM End	3.15	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.762565 °	39.762565 °
				-121.909873 °	-121.909873 °
DWR ID	DWR_NA0003_01_s_2015_31				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside slope.					

LM Start	3.15	Rating **	M	Issue No.	31 (cont)
LM End	3.15	Issue Type +	En	Location *	LS

Photo 1 of 2 : SP_2018_NA0003_64_31_20180305_00013.jpg



View of the prunings along the landside slope.

Photo 2 of 2 : SP_2018_NA0003_64_31_20180305_00014.jpg



View of the prunings and bait station along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	3.18	Rating **	M	Issue No.	64	
LM End	3.18	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.763067 °		39.763067 °
				-121.909608 °		-121.909608 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:30295 DS_ID:19217 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: It needs cleaning and clearing in inlet and outlet ends. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.27)]. FS Date: 2/20/2014						

LM Start	3.18	Rating **	M	Issue No.	64 (cont)
LM End	3.18	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_SP_2018_30295_55706.jpg



WS view: U type concrete headwall, flapgate on levee slope. Vegetation debris blocking the outlet.

Photo 2 of 2 : UCIP_SP_2018_30295_55705.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris blocking the inlet.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	3.25	Rating **	M	Issue No.	27
LM End	3.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.763993 °	39.763993 °
				-121.909108 °	-121.909108 °
DWR ID	DWR_NA0003_01_f_2014_27				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside slope.					

Photo 1 of 1 : SP_2018_NA0003_64_27_20180305_00009.jpg



View of the prunings along the landside toe.

LM Start	3.39	Rating **	M	Issue No.	65
LM End	3.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.765440 °	39.765440 °
				-121.907261 °	-121.907261 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:30310 DS_ID:19218 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.48)]. FS Date: 2/20/2014					

Photo 1 of 3 : UCIP_SP_2018_30310_55741.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.
Vegetation debris blocking outlet.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	3.39	Rating **	M	Issue No.	65 (cont)	
LM End	3.39	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.765440 °	39.765440 °	
				-121.907261 °	-121.907261 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:30310						
DS_ID:19218						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Needs cleaning and clearing of debris.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe						
through the levee, 10 feet below the crown. Flap gate on the waterside						
(WS) end. Concrete U-shaped headwall on each end. Grouted riprap						
apron on the landside (LS) end. Grouted riprap spillway on the WS end.						
[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento						
O&M Manual 504, May 1965, (HLM 3.48)].						
FS Date: 2/20/2014						

LM Start	3.39	Rating **	M	Issue No.	65 (cont)
LM End	3.39	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_30310_55740.jpg



LS view: U type concrete headwall and CMP on levee slope.

Photo 3 of 3 : UCIP_SP_2018_30310_55739.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	3.70	Rating **	M	Issue No.	50
LM End	3.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.767920 °	39.767920 °
				-121.902520 °	-121.902520 °
DWR ID	DWR_NA0003_01_f_2016_50				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

Photo 1 of 1 : SP_2018_NA0003_64_50_20180305_00029.jpg



View of the prunings along the landside toe.

LM Start	3.89	Rating **	M	Issue No.	32
LM End	3.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.770395 °	39.770395 °
				-121.901305 °	-121.901305 °
DWR ID	DWR_NA0003_01_s_2018_32				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside toe					

Photo 1 of 1 : SP_2018_NA0003_64_32_20180402_00067.jpg



View of the prunings along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	3.97	Rating **	M	Issue No.	66	
LM End	3.97	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.771293 °		39.771293 °
				-121.900247 °		-121.900247 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:30311						
DS_ID:19219						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Needs cleaning and clearing of debris in both ends of the pipe.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 4.08)].						
FS Date: 2/20/2014						

LM Start	3.97	Rating **	M	Issue No.	66 (cont)
LM End	3.97	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_SP_2018_30311_55743.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Vegetation debris blocking outlet.

Photo 2 of 2 : UCIP_SP_2018_30311_55742.jpg



LS view: U type concrete headwall and CMP on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	4.01	Rating **	M	Issue No.	29
LM End	4.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.771732 °	39.771732 °
				-121.899699 °	-121.899699 °
DWR ID	DWR_NA0003_01_f_2014_29				
Comment Code					
CR : Crops					
Inspector Comment					
Fruit trees at the toe of the levee.					

Photo 1 of 1 : SP_2018_NA0003_64_29_20180305_00011.jpg



View of the fruit trees within 10' of landside levee toe.

LM Start	4.03	Rating **	M	Issue No.	51
LM End	4.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.771877 °	39.771877 °
				-121.899441 °	-121.899441 °
DWR ID	DWR_NA0003_01_f_2016_51				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2018_NA0003_64_51_20180305_00030.jpg



View of the rodent holes along the landside slope.

LM Start	4.06	Rating **	M	Issue No.	52
LM End	4.06	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.772051 °	39.772051 °
				-121.898974 °	-121.898974 °
DWR ID	DWR_NA0003_01_f_2016_52				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

Photo 1 of 1 : SP_2018_NA0003_64_52_20180305_00031.jpg



View of the prunings along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	4.26	Rating **	M	Issue No.	5
LM End	4.32	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.773257 °	39.773969 °
				-121.895618 °	-121.895078 °
DWR ID	DWR_NA0003_01_s_2016_5				
Comment Code					
Inspector Comment					
2011 - Two large erosion scallops at the toe from a rotational failure. Deep cracks along the slope indicate the potential for further failures. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: MUD_4-4_R]					

No Photos

LM Start	4.27	Rating **	M	Issue No.	33
LM End	4.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.773398 °	39.773398 °
				-121.895765 °	-121.895765 °
DWR ID	DWR_NA0003_01_f_2015_33				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Repair the rodent holes along the landside slope.					

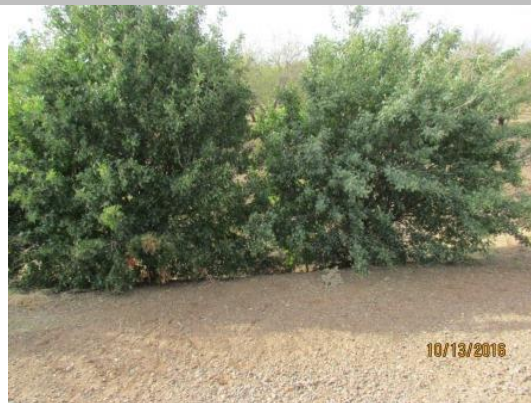
Photo 1 of 1 : SP_2018_NA0003_64_33_20180305_00015.jpg



View of the rodent holes along the landside slope.

LM Start	4.45	Rating **	M	Issue No.	53
LM End	4.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.775789 °	39.775789 °
				-121.894048 °	-121.894048 °
DWR ID	DWR_NA0003_01_f_2016_53				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2018_NA0003_64_53_20180305_00032.jpg



View of the trees along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	4.46	Rating **	M	Issue No.	67
LM End	4.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.775905 °	39.775905 °
				-121.893980 °	-121.893980 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:30312					
DS_ID:19220					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing of debris.					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 4.58)].					
FS Date: 2/20/2014					

LM Start	4.46	Rating **	M	Issue No.	67 (cont)
LM End	4.46	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_SP_2018_30312_55745.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Vegetation debris blocking outlet.

Photo 2 of 2 : UCIP_SP_2018_30312_55744.jpg



LS view: U type concrete headwall and CMP on levee slope. Needs cleaning and clearing of debris.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	4.46	Rating **	M	Issue No.	21
LM End	4.46	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.775908 °	39.775908 °
				-121.893947 °	-121.893947 °
DWR ID	DWR_NA0003_01_s_2012_21				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside slope.					

Photo 1 of 1 : SP_2018_NA0003_64_21_20180305_00004.jpg



View of the brush pile along landside toe.

LM Start	4.77	Rating **	M	Issue No.	38
LM End	4.79	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.779822 °	39.780062 °
				-121.891803 °	-121.891475 °
DWR ID	DWR_NA0003_01_s_2016_38				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside slope.					

Photo 1 of 1 : SP_2018_NA0003_64_38_20180305_00019.jpg



View of prunings and stumps at the landside toe.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	4.81	Rating **	M	Issue No.	68
LM End	4.81	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.780244 °	39.780244 °
				-121.891267 °	-121.891267 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:30388					
DS_ID:19221					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: CM Standpipe intake. Intake pipe with air vent. Steel rib-bar grit cover on the standpipe on landside levee toe.Needs cleaning and clearing on both ends of the pipe.					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on the WS end. Grouted riprap spillway on the WS end. Corrugated metal standpipe intake. Intake pipe with an air vent. Steel rib-bar grit cover on the standpipe on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 4.94)].					
FS Date: 2/20/2014					

LM Start	4.81	Rating **	M	Issue No.	68 (cont)
LM End	4.81	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_SP_2018_30388_55891.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Vegetation/soil debris blocking outlet.

Photo 2 of 2 : UCIP_SP_2018_30388_55890.jpg



LS view: Underground CM standpipe intake with steel grit on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	5.06	Rating **	M	Issue No.	69	
LM End	5.06	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.783387 °	39.783387 °	
				-121.888839 °	-121.888839 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41870						
DS_ID:19231						
EP_NO: 9874						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Need to contact the owner to determine crossing status and install gasoline markers if its appropriate to do so.						
FIELD_STRUCT_DESC: 6-inch natural gas main of an unknown material through both levees and under Mud Creek, downstream from the Esplanade, 2.5 feet below the crown. Gas line indicator/marker post found across the creek in Named Area No. 3 (NA0003), Unit No. 2. (Plans to install a 6-inch natural gas pipeline across Mud Creek and through adjacent levee authorized under Permit No. 9874, 1974 - Pacific Gas and Electric Company [PG&E]).						
FS Date: 2/20/2014						

No Photos

LM Start	5.09	Rating **	A/W	Issue No.	70
LM End	5.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.783636 °	39.783636 °
				-121.888463 °	-121.888463 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:30327					
DS_ID:19222					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: Slide gate in CM stadpipe on waterside levee slope.					
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe					
through the levee, 17 feet below the crown. Slide gate in a corrugated					
metal standpipe on the waterside (WS) slope. Flap gate on the WS					
end. Concrete U-shaped headwall on each end. Grouted riprap apron					
on the landside (LS) end. Grouted riprap spillway on the WS end.					
[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento					
O&M Manual 504, May 1965, (HLM 5.22)].					
FS Date: 2/20/2014					

Photo 1 of 3 : UCIP_SP_2018_30327_55768.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	5.09	Rating **	A/W	Issue No.	70 (cont)	
LM End	5.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.783636 °		39.783636 °
				-121.888463 °		-121.888463 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:30327						
DS_ID:19222						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: Slide gate in CM stadpipe on waterside levee slope.						
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe						
through the levee, 17 feet below the crown. Slide gate in a corrugated						
metal standpipe on the waterside (WS) slope. Flap gate on the WS						
end. Concrete U-shaped headwall on each end. Grouted riprap apron						
on the landside (LS) end. Grouted riprap spillway on the WS end.						
[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento						
O&M Manual 504, May 1965, (HLM 5.22)].						
FS Date: 2/20/2014						

Photo 2 of 3 : UCIP_SP_2018_30327_55767.jpg



WS view: CM standpipe with slide gate on levee slope.

LM Start	5.09	Rating **	A/W	Issue No.	70 (cont)
LM End	5.09	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2018_30327_55766.jpg



LS view: U type concrete headwall and CMP on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	5.20	Rating **	M	Issue No.	55
LM End	5.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.784234 °	39.784234 °
				-121.886589 °	-121.886589 °
DWR ID	DWR_NA0003_01_f_2016_55				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2018_NA0003_64_55_20180305_00033.jpg



View of the blackberries blocking visibility and access.

LM Start	5.30	Rating **	M	Issue No.	71
LM End	5.30	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.784739 °	39.784739 °
				-121.884860 °	-121.884860 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:30368 DS_ID:19223 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 12-inch steel pipe about 14 ft below the crown. FIELD_STRUCT_DESC: 12-inch steel drainage discharge pipeline through the levee, 14 feet below the crown. Slide gate in a concrete box on the waterside (WS) slope. Flap gate on the WS end. Grouted rock revetment on the WS slope. Three pumps on a concrete pad on the landside (LS). [Additional Reference(s): DWR Levee Log, 1992, 18-inch pipe referenced, 1 foot below the crown]. FS Date: 2/24/2014					

Photo 1 of 3 : UCIP_SP_2018_30368_55861.jpg



WS view: slide gate in concrete box on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	5.30	Rating **	M	Issue No.	71 (cont)	
LM End	5.30	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.784739 °	39.784739 °	
				-121.884860 °	-121.884860 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:30368						
DS_ID:19223						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 12-inch steel pipe about 14 ft below the crown.						
FIELD_STRUCT_DESC: 12-inch steel drainage discharge pipeline						
through the levee, 14 feet below the crown. Slide gate in a concrete box						
on the waterside (WS) slope. Flap gate on the WS end. Grouted rock						
revetment on the WS slope. Three pumps on a concrete pad on the						
landside (LS). [Additional Reference(s): DWR Levee Log, 1992, 18-inch						
pipe referenced, 1 foot below the crown].						
FS Date: 2/24/2014						

LM Start	5.30	Rating **	M	Issue No.	71 (cont)
LM End	5.30	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2018_30368_55860.jpg



WS view: concrete headwall and flapgate on levee slope.

Photo 3 of 3 : UCIP_SP_2018_30368_55859.jpg



LS view: pipe, pumps, power boxes, concrete vault on landside.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	5.65	Rating **	M	Issue No.	45
LM End	5.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.789145 °	39.789145 °
				-121.886548 °	-121.886548 °
DWR ID	DWR_NA0003_01_f_2016_45				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

No Photos

LM Start	5.89	Rating **	M	Issue No.	44
LM End	5.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.792121 °	39.792121 °
				-121.886836 °	-121.886836 °
DWR ID	DWR_NA0003_01_f_2016_44				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Blackberry bramble					

No Photos

LM Start	5.91	Rating **	M	Issue No.	43
LM End	5.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.792482 °	39.792482 °
				-121.887078 °	-121.887078 °
DWR ID	DWR_NA0003_01_f_2016_43				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Blackberry bramble					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	5.96	Rating **	M	Issue No.	22
LM End	5.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.793116 °	39.793116 °
				-121.887296 °	-121.887296 °
DWR ID	DWR_NA0003_01_f_2016_22				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Blackberry bramble					

Photo 1 of 1 : SP_2018_NA0003_64_22_20180305_00005.jpg



View of the blackberries blocking visibility and access.

LM Start	5.98	Rating **	U	Issue No.	37
LM End	6.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.793411 °	39.794580 °
				-121.887310 °	-121.886759 °
DWR ID	DWR_NA0003_01_s_2016_37				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Various overgrown vegetation completely obscuring landside toe visibility.					

Photo 1 of 1 : SP_2018_NA0003_64_37_20180305_00018.jpg



04/25/2016: Trim trees on L/S slope.

LM Start	6.08	Rating **	M	Issue No.	36
LM End	6.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.794708 °	39.794708 °
				-121.886616 °	-121.886616 °
DWR ID	DWR_NA0003_01_s_2016_36				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Blackberry bramble					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	6.09	Rating **	U	Issue No.	35
LM End	6.13	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.794875 °	39.795179 °
				-121.886394 °	-121.885835 °
DWR ID	DWR_NA0003_01_s _ 2016_35				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Bamboo vegetation along landside toe blocking visibility.					

Photo 1 of 1 : SP_2018_NA0003_64_35_20180305_00017.jpg



View of bamboo blocking visibility and access.

LM Start	6.16	Rating **	M	Issue No.	34
LM End	6.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.795428 °	39.795428 °
				-121.885306 °	-121.885306 °
DWR ID	DWR_NA0003_01_s _ 2016_34				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Blackberry bramble on landside toe blocking visibility.					

Photo 1 of 1 : SP_2018_NA0003_64_34_20180305_00016.jpg



Trim vegetation at L/S toe.

LM Start	6.36	Rating **	M	Issue No.	30
LM End	6.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.797714 °	39.797884 °
				-121.883384 °	-121.882883 °
DWR ID	DWR_NA0003_01_s _ 2016_30				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Rosemary landscaping covering landside toe.					

Photo 1 of 1 : SP_2018_NA0003_64_30_20180305_00012.jpg



View of the landscaping blocking visibility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	03/20/2018 03/20/2018	Bob Duffey

LM Start	6.43	Rating **	U	Issue No.	28
LM End	6.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.798166 °	39.798492 °
				-121.882236 °	-121.881722 °
DWR ID	DWR_NA0003_01_s_2016_28				
Comment Code					
FE : Fence					
Inspector Comment					
6' high wooden fencing at landside toe.					

Photo 1 of 1 : SP_2018_NA0003_64_28_20180305_00010.jpg



View of the fence blocking visibility and access along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2018 Levee Inspection Results

Butte County Department of Public Works

Waterway			Bank	Unit Miles
Unit No. 02 Mud Creek			Left	7.96
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/20/2018 - 3/20/2018			
DWR Inspector	Bob Duffey			
Accompanied By	Shawn Bates Butte County			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	0.23	Rating **	M	Issue No.	41	
LM End	0.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.797416 °	39.797416 °	
				-121.881675 °	-121.881675 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31667						
DS_ID:19234						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Needs cleaning and clearing the culvert.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.25)].						
FS Date: 3/11/2014						

LM Start	0.23	Rating **	M	Issue No.	41 (cont)
LM End	0.23	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_31667_57968.jpg



WS view: CMP culvert with U type concrete headwall. Vegetation debris blocking outlet box.

Photo 2 of 3 : UCIP_SP_2018_31667_57967.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Vegetation debris on outlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	0.23	Rating **	M	Issue No.	41 (cont)	
LM End	0.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.797416 °	39.797416 °	
				-121.881675 °	-121.881675 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31667						
DS_ID:19234						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Needs cleaning and clearing the culvert.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.25)].						
FS Date: 3/11/2014						

Photo 3 of 3 : UCIP_SP_2018_31667_57966.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris on inlet box.

LM Start	0.31	Rating **	M	Issue No.	29
LM End	0.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.797071 °	39.797071 °
				-121.883049 °	-121.883049 °
DWR ID	DWR_NA0003_02_f_2016_29				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2018_NA0003_65_29_20180305_00008.jpg



View of the slope instability caused by vehicles along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	1.26	Rating **	M	Issue No.	42
LM End	1.26	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.784062 °	39.784062 °
				-121.884344 °	-121.884344 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:30403					
DS_ID:19235					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing of debris.					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.34)].					
FS Date: 2/24/2014					

LM Start	1.26	Rating **	M	Issue No.	42 (cont)
LM End	1.26	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_30403_55922.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.

Photo 2 of 3 : UCIP_SP_2018_30403_55921.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris in inlet pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Butte County Department of Public Works

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	1.46	Rating **	M	Issue No.	43 (cont)	
LM End	1.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.782980 °	39.782980 °	
				-121.887834 °	-121.887834 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:30743						
DS_ID:19237						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Needs cleaning and clearing of debris.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe						
through the levee, 11 feet below the crown. Flap gate on the waterside						
(WS) end. Concrete U-shaped headwall on each end. Grouted riprap						
apron on the landside (LS) end. Grouted riprap spillway on the WS end.						
[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento						
O&M Manual 504, May 1965, (HLM 1.55)].						
FS Date: 2/24/2014						

Photo 2 of 2 : UCIP_SP_2018_30743_56640.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and soil in inlet area.

LM Start	1.49	Rating **	U	Issue No.	3
LM End	1.81	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.782773 °	39.778972 °
				-121.888178 °	-121.891563 °
DWR ID	DWR_NA0003_02_s_2012_3				
Comment Code					
FE : Fence					
Inspector Comment					
The fence is within the easement.					

Photo 1 of 1 : SP_2018_NA0003_65_3_20180305_00002.jpg



View of the fence along the landside toe of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	1.49	Rating **	M	Issue No.	44
LM End	1.49	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.782766 °	39.782766 °
				-121.888187 °	-121.888187 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41873 DS_ID:24803 EP_NO: 9874 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: May need to contact owner to determine status of crossing and install markers as appropriate. FIELD_STRUCT_DESC: 6-inch natural gas main of an unknown material through both levees and under Mud Creek, downstream from the Esplanade, at an unknown depth. Indicator on the landside (LS) toe. (Plans to install a 6-inch natural gas pipeline across Mud Creek and through adjacent levee authorized under Permit No. 9874, 1974 - Pacific Gas and Electric Company [PG&E]). FS Date: 2/24/2014					

Photo 1 of 1 : UCIP_SP_2018_41873_56643.jpg



LS view: gasline marker on levee toe.

LM Start	1.54	Rating **	C	Issue No.	31
LM End	1.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.782175 °	39.779667 °
				-121.888813 °	-121.890613 °
DWR ID	DWR_NA0003_02_f_2016_31				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trees less than 4-inch in diameter at chest height were removed .					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	1.62	Rating **	N	Issue No.	32
LM End	1.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.781173 °	39.781173 °
				-121.889526 °	-121.889526 °
DWR ID	DWR_NA0003_02_f_2016_32				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	2.03	Rating **	M	Issue No.	45
LM End	2.03	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.776025 °	39.776025 °
				-121.892911 °	-121.892911 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41375 DS_ID:19238 EP_NO: 12619A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - 24-inch CM pipe.- inlet and spillway may need cleaning and clearing. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity storm drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. (Plans to replace an existing 24-inch storm drain inlet to the Mud Creek Diversion Channel with a 36-inch storm drain located approximately 500 feet upstream from Nord Highway authorized under Permit No. 12619, 1979 - Richard E. Vermillion. Plans for extension of time to replace an existing 24-inch storm drain inlet to the Mud Creek Diversion Channel with a 36-inch storm drain located upstream from Nord Highway authorized under Permit No. 12619-A, 1980 - Richard E. Vermillion). The storm drain never got replaced. [Additional Reference(s): DWR Levee Log, 1992, 36-inch pipe referenced. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.13)]. FS Date: 2/24/2014					

Photo 1 of 3 : UCIP_SP_2018_41375_56646.jpg



WS view: U type concrete headwall and flapgate on levee slope.
Vegetation debris on spillway.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	2.03	Rating **	M	Issue No.	45 (cont)	
LM End	2.03	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.776025 °	39.776025 °	
				-121.892911 °	-121.892911 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41375 DS_ID:19238 EP_NO: 12619A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - 24-inch CM pipe.- inlet and spillway may need cleaning and clearing. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity storm drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. (Plans to replace an existing 24-inch storm drain inlet to the Mud Creek Diversion Channel with a 36-inch storm drain located approximately 500 feet upstream from Nord Highway authorized under Permit No. 12619, 1979 - Richard E. Vermillion. Plans for extension of time to replace an existing 24-inch storm drain inlet to the Mud Creek Diversion Channel with a 36-inch storm drain located upstream from Nord Highway authorized under Permit No. 12619-A, 1980 - Richard E. Vermillion). The storm drain never got replaced. [Additional Reference(s): DWR Levee Log, 1992, 36-inch pipe referenced. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.13)]. FS Date: 2/24/2014						

LM Start	2.03	Rating **	M	Issue No.	45 (cont)
LM End	2.03	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2018_41375_56645.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.

Photo 3 of 3 : UCIP_SP_2018_41375_56644.jpg



LS view: U type concrete headwall and CMP on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	2.34	Rating **	M	Issue No.	46
LM End	2.34	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.772185 °	39.772185 °
				-121.895681 °	-121.895681 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:30763 DS_ID:19239 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris in landside inlet area. Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.44)]. FS Date: 2/24/2014					

LM Start	2.34	Rating **	M	Issue No.	46 (cont)
LM End	2.34	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_30763_56662.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Vegetation debris blocking outlet.

Photo 2 of 3 : UCIP_SP_2018_30763_56661.jpg



LS view: U type concrete headwall and CMP on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	2.34	Rating **	M	Issue No.	46 (cont)
LM End	2.34	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.772185 °	39.772185 °
				-121.895681 °	-121.895681 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:30763 DS_ID:19239 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris in landside inlet area. Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.44)]. FS Date: 2/24/2014					

Photo 3 of 3 : UCIP_SP_2018_30763_56660.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	2.74	Rating **	M	Issue No.	47
LM End	2.74	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.768741 °	39.768741 °
				-121.901176 °	-121.901176 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:30783					
DS_ID:19240					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing of debris.					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.86)].					
FS Date: 2/24/2014					

Photo 1 of 3 : UCIP_SP_2018_30783_56682.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Gate not fully closed. Debris and soil in outlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	2.74	Rating **	M	Issue No.	47 (cont)	
LM End	2.74	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.768741 °	39.768741 °	
				-121.901176 °	-121.901176 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:30783						
DS_ID:19240						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Needs cleaning and clearing of debris.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.86)].						
FS Date: 2/24/2014						

LM Start	2.74	Rating **	M	Issue No.	47 (cont)
LM End	2.74	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_30783_56681.jpg



LS view: U type concrete headwall and CMP on levee slope. Debris and soil in inlet box.

Photo 3 of 3 : UCIP_SP_2018_30783_56680.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	2.80	Rating **	M	Issue No.	1
LM End	2.80	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.767841 °	39.767841 °
				-121.901534 °	-121.901534 °
DWR ID	DWR_NA0003_02_f_2013_1				
Comment Code					
FW : Firewood					
Inspector Comment					
Remove firewood and broken concrete pipes from the landside toe.					

Photo 1 of 1 : SP_2018_NA0003_65_1_20180305_00001.jpg



View of the firewood and broken concrete pipes along the landside toe.

LM Start	3.15	Rating **	A	Issue No.	27
LM End	3.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.764867 °	39.764867 °
				-121.906575 °	-121.906575 °
DWR ID	DWR_NA0003_02_s_2018_27				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The vegetation was removed from the landside slope and toe.					

No Photos

LM Start	3.31	Rating **	M	Issue No.	5
LM End	3.31	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.763208 °	39.763208 °
				-121.908517 °	-121.908517 °
DWR ID	DWR_NA0003_02_f_2012_5				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 2 : SP_2018_NA0003_65_5_20180305_00003.jpg



View of the prunings along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	3.31	Rating **	M	Issue No.	5 (cont)	
LM End	3.31	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			39.763208 °		39.763208 °
				-121.908517 °		-121.908517 °
DWR ID	DWR_NA0003_02_f_2012_5					
Comment Code						
PR : Prunings						
Inspector Comment						

Photo 2 of 2 : SP_2018_NA0003_65_5_20180305_00004.jpg



View of the brush pile along landside toe.

LM Start	3.50	Rating **	M	Issue No.	48
LM End	3.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.760847 °	39.760847 °
				-121.910265 °	-121.910265 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:30803 DS_ID:19241 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.64)]. FS Date: 2/24/2014					

Photo 1 of 3 : UCIP_SP_2018_30803_56685.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.
Vegetation debris and soil blocking outlet.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	3.50	Rating **	M	Issue No.	48 (cont)	
LM End	3.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.760847 °		39.760847 °
				-121.910265 °		-121.910265 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:30803						
DS_ID:19241						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Needs cleaning and clearing of debris.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.64)].						
FS Date: 2/24/2014						

LM Start	3.50	Rating **	M	Issue No.	48 (cont)
LM End	3.50	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_30803_56684.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and soil blocking inlet.

Photo 3 of 3 : UCIP_SP_2018_30803_56683.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	3.52	Rating **	M	Issue No.	10
LM End	3.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.760582 °	39.760582 °
				-121.910303 °	-121.910303 °
DWR ID	DWR_NA0003_02_f_2015_10				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2018_NA0003_65_10_20180305_00007.jpg



View of the vehicle erosion along the landside slope.

LM Start	3.95	Rating **	M	Issue No.	33
LM End	3.95	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.755681 °	39.755681 °
				-121.910628 °	-121.910628 °
DWR ID	DWR_NA0003_02_f_2016_33				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

Photo 1 of 1 : SP_2018_NA0003_65_33_20180305_00011.jpg



View of the prunings along the landside toe.

LM Start	4.54	Rating **	M	Issue No.	34
LM End	4.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.749708 °	39.749708 °
				-121.917162 °	-121.917162 °
DWR ID	DWR_NA0003_02_f_2016_34				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

Photo 1 of 1 : SP_2018_NA0003_65_34_20180305_00012.jpg



View of the prunings along the landside toe.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	4.55	Rating **	C	Issue No.	8
LM End	4.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.749639 °	39.749639 °
				-121.917188 °	-121.917188 °
DWR ID	DWR_NA0003_02_f_2013_8				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Butte County has been grouting the rodent holes.					

No Photos

LM Start	4.61	Rating **	M	Issue No.	49
LM End	4.61	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.748731 °	39.748731 °
				-121.917577 °	-121.917577 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31028 DS_ID:19245 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 4.77)]. FS Date: 2/25/2014					

Photo 1 of 3 : UCIP_SP_2018_31028_56913.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.
Soil/mud on outlet box.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	4.61	Rating **	M	Issue No.	49 (cont)	
LM End	4.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.748731 °		39.748731 °
				-121.917577 °		-121.917577 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31028 DS_ID:19245 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 4.77)]. FS Date: 2/25/2014						

LM Start	4.61	Rating **	M	Issue No.	49 (cont)
LM End	4.61	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_31028_56912.jpg



LS view: U type concrete headwall and CMP on levee slope.

Photo 3 of 3 : UCIP_SP_2018_31028_56911.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	5.64	Rating **	M	Issue No.	50	
LM End	5.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.738898 °		39.738898 °
				-121.930242 °		-121.930242 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31031 DS_ID:19247 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 5.83)]. FS Date: 2/25/2014						

LM Start	5.64	Rating **	M	Issue No.	50 (cont)
LM End	5.64	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_31031_56917.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box.

Photo 2 of 3 : UCIP_SP_2018_31031_56916.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	5.64	Rating **	M	Issue No.	50 (cont)	
LM End	5.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.738898 °	39.738898 °	
				-121.930242 °	-121.930242 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31031 DS_ID:19247 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 5.83)]. FS Date: 2/25/2014						

Photo 3 of 3 : UCIP_SP_2018_31031_56915.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	6.07	Rating **	M	Issue No.	35
LM End	6.07	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.733583 °	39.733583 °
				-121.930511 °	-121.930511 °
DWR ID	DWR_NA0003_02_f_2016_35				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

Photo 1 of 1 : SP_2018_NA0003_65_35_20180305_00013.jpg



View of the prunings along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	6.09	Rating **	M	Issue No.	51
LM End	6.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.733297 °	39.733297 °
				-121.930411 °	-121.930411 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41376 DS_ID:19248 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: [Channel Slough Drainage Structure] 1 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS slope. Concrete U-shaped headwall on each end. Grouted riprap apron and rock revetment on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 6.30)]. FS Date: 2/25/2014					

LM Start	6.09	Rating **	M	Issue No.	51 (cont)
LM End	6.09	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_41376_56920.jpg



WS view: slide gates in CMP risers on levee slope.

Photo 2 of 3 : UCIP_SP_2018_41376_56919.jpg



WS view: U type concrete headwall, pipes, and flapgates on levee slope. Vegetation debris on outlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	6.09	Rating **	M	Issue No.	51 (cont)	
LM End	6.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.733297 °		39.733297 °
				-121.930411 °		-121.930411 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41376 DS_ID:19248 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: [Channel Slough Drainage Structure] 1 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS slope. Concrete U-shaped headwall on each end. Grouted riprap apron and rock revetment on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 6.30)]. FS Date: 2/25/2014						

Photo 3 of 3 : UCIP_SP_2018_41376_56918.jpg



LS view: U type concrete headwall and CMPs on levee slope. Soil/mud on inlet box.

LM Start	6.09	Rating **	M	Issue No.	52
LM End	6.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.733280 °	39.733280 °
				-121.930409 °	-121.930409 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41377 DS_ID:19259 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: [Channel Slough Drainage Structure] 2 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS slope. Concrete U-shaped headwall on each end. Grouted riprap apron and rock revetment on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 6.30)]. FS Date: 2/25/2014					

Photo 1 of 3 : UCIP_SP_2018_41377_56923.jpg



WS view: slide gates in CMP risers on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	6.09	Rating **	M	Issue No.	52 (cont)	
LM End	6.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.733280 °	39.733280 °	
				-121.930409 °	-121.930409 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41377 DS_ID:19259 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: [Channel Slough Drainage Structure] 2 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS slope. Concrete U-shaped headwall on each end. Grouted riprap apron and rock revetment on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 6.30)]. FS Date: 2/25/2014						

LM Start	6.09	Rating **	M	Issue No.	52 (cont)
LM End	6.09	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_41377_56922.jpg



LS view: U type concrete headwall and CMPs on levee slope. Vegetation on inlet box.

Photo 3 of 3 : UCIP_SP_2018_41377_56921.jpg



LS view: U type concrete headwall and CMPs on levee slope. Soil/mud on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	6.15	Rating **	M	Issue No.	53
LM End	6.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.732515 °	39.732515 °
				-121.930373 °	-121.930373 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31034 DS_ID:19249 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 6.35)]. FS Date: 2/25/2014					

LM Start	6.15	Rating **	M	Issue No.	53 (cont)
LM End	6.15	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_31034_56926.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.

Photo 2 of 3 : UCIP_SP_2018_31034_56925.jpg



LS view: U type concrete headwall and CMP on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Butte County Department of Public Works

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	6.43	Rating **	M	Issue No.	54 (cont)	
LM End	6.43	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.728812 °		39.728812 °
				-121.932623 °		-121.932623 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31085 DS_ID:19251 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 6.65)]. FS Date: 2/25/2014						

LM Start	6.43	Rating **	M	Issue No.	54 (cont)
LM End	6.43	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_31085_56987.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

Photo 3 of 3 : UCIP_SP_2018_31085_56986.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	6.44	Rating **	M	Issue No.	37
LM End	6.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.728779 °	39.728779 °
				-121.932679 °	-121.932679 °
DWR ID	DWR_NA0003_02_f_2016_37				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

Photo 1 of 1 : SP_2018_NA0003_65_37_20180305_00014.jpg



View of the prunings along the landside toe.

LM Start	6.71	Rating **	M	Issue No.	38
LM End	6.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.725695 °	39.725695 °
				-121.935791 °	-121.935791 °
DWR ID	DWR_NA0003_02_f_2016_38				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

Photo 1 of 1 : SP_2018_NA0003_65_38_20180305_00015.jpg



View of the prunings along the landside toe.

LM Start	6.92	Rating **	M	Issue No.	39
LM End	6.92	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.723014 °	39.723014 °
				-121.937819 °	-121.937819 °
DWR ID	DWR_NA0003_02_f_2016_39				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

Photo 1 of 1 : SP_2018_NA0003_65_39_20180305_00016.jpg



View of the prunings along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	6.94	Rating **	M	Issue No.	55
LM End	6.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.722798 °	39.722798 °
				-121.937828 °	-121.937828 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31103 DS_ID:19252 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 7.17)]. FS Date: 2/25/2014					

LM Start	6.94	Rating **	M	Issue No.	55 (cont)
LM End	6.94	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_31103_57002.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box. Vegetation debris blocking outlet box

Photo 2 of 3 : UCIP_SP_2018_31103_57001.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	6.94	Rating **	M	Issue No.	55 (cont)	
LM End	6.94	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.722798 °		39.722798 °
				-121.937828 °		-121.937828 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31103 DS_ID:19252 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 7.17)]. FS Date: 2/25/2014						

Photo 3 of 3 : UCIP_SP_2018_31103_57000.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	7.17	Rating **	M	Issue No.	40
LM End	7.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.719593 °	39.718933 °
				-121.938137 °	-121.937635 °
DWR ID	DWR_NA0003_02_f_2016_40				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2018_NA0003_65_40_20180305_00017.jpg



View of the dense vegetation along the landside toe blocking visibility and access.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	7.22	Rating **	M	Issue No.	56
LM End	7.22	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.718882 °	39.718882 °
				-121.937602 °	-121.937602 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:32085 DS_ID:19253 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gates in CMP risers on waterside shoulder.Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 1 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS shoulder. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 7.46)]. FS Date: 2/25/2014					

LM Start	7.22	Rating **	M	Issue No.	56 (cont)
LM End	7.22	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_32085_58585.jpg



WS view: slide gates in CMP risers on waterside shoulder.

Photo 2 of 3 : UCIP_SP_2018_32085_58584.jpg



WS view: U type concrete headwall, pipes, and flapgates on levee slope. Soil/mud on outlet box. Vegetation debris blocking outlet box

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	7.22	Rating **	M	Issue No.	56 (cont)	
LM End	7.22	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.718882 °		39.718882 °
				-121.937602 °		-121.937602 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:32085 DS_ID:19253 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gates in CMP risers on waterside shoulder.Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 1 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS shoulder. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 7.46)]. FS Date: 2/25/2014						

Photo 3 of 3 : UCIP_SP_2018_32085_58586.jpg



LS view: U type concrete headwall and CMPs on levee slope. Soil/mud on inlet box.

LM Start	7.23	Rating **	M	Issue No.	57
LM End	7.23	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.718849 °	39.718849 °
				-121.937580 °	-121.937580 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:32087 DS_ID:19261 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gates in CMP risers on waterside shoulder.Needs cleaning and clearing on both pipe ends. FIELD_STRUCT_DESC: 3 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS shoulder. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 7.46)]. FS Date: 2/25/2014					

Photo 1 of 3 : UCIP_SP_2018_32087_58592.jpg



WS view: slide gates in CMP risers on waterside shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	7.23	Rating **	M	Issue No.	57 (cont)
LM End	7.23	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.718849 °	39.718849 °
				-121.937580 °	-121.937580 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:32087
DS_ID:19261
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Slide gates in CMP risers on waterside shoulder. Needs cleaning and clearing on both pipe ends.
FIELD_STRUCT_DESC: 3 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS shoulder. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 7.46)].
FS Date: 2/25/2014

LM Start	7.23	Rating **	M	Issue No.	57 (cont)
LM End	7.23	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_32087_58591.jpg



WS view: U type concrete headwall, pipes, and flapgates on levee slope. Soil/mud on outlet box. Vegetation debris on outlet box

Photo 3 of 3 : UCIP_SP_2018_32087_58590.jpg



LS view: U type concrete headwall and CMPs on levee slope. Soil/mud on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	7.23	Rating **	M	Issue No.	58
LM End	7.23	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.718862 °	39.718862 °
				-121.937594 °	-121.937594 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:32086 DS_ID:19260 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gates in CMP risers on waterside shoulder.Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 2 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS shoulder. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 7.46)]. FS Date: 2/25/2014					

LM Start	7.23	Rating **	M	Issue No.	58 (cont)
LM End	7.23	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_32086_58589.jpg



WS view: slide gates in CMP risers on waterside shoulder.

Photo 2 of 3 : UCIP_SP_2018_32086_58588.jpg



WS view: U type concrete headwall, pipes, and flapgates on levee slope. Soil/mud on outlet box. Vegetation debris on outlet box

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	7.23	Rating **	M	Issue No.	58 (cont)	
LM End	7.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.718862 °	39.718862 °	
				-121.937594 °	-121.937594 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:32086 DS_ID:19260 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gates in CMP risers on waterside shoulder.Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 2 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS shoulder. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 7.46)]. FS Date: 2/25/2014						

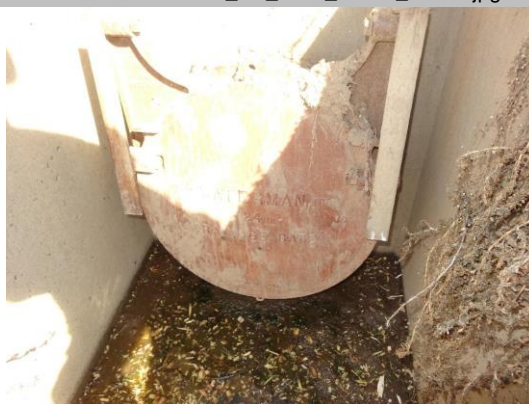
Photo 3 of 3 : UCIP_SP_2018_32086_58587.jpg



LS view: U type concrete headwall and CMPs on levee slope. Soil/mud on inlet box.

LM Start	7.77	Rating **	M	Issue No.	59
LM End	7.77	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.711436 °	39.711436 °
				-121.937135 °	-121.937135 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31129 DS_ID:19254 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris in inlet pipe, needs cleaning and clearing. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 8.09)]. FS Date: 2/25/2014					

Photo 1 of 2 : UCIP_SP_2018_31129_57036.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	03/20/2018 03/20/2018	Bob Duffey

LM Start	7.77	Rating **	M	Issue No.	59 (cont)	
LM End	7.77	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.711436 °		39.711436 °
				-121.937135 °		-121.937135 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31129 DS_ID:19254 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris in inlet pipe, needs cleaning and clearing. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 8.09)]. FS Date: 2/25/2014						

Photo 2 of 2 : UCIP_SP_2018_31129_57035.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud and vegetation on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2018 Levee Inspection Results

Butte County Department of Public Works

Waterway			Bank	Unit Miles
Unit No. 02A Channel Slough			Left	0.26
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/20/2018 - 3/20/2018			
DWR Inspector	Bob Duffey			
Accompanied By	Shawn Bates Butte County			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A Channel Slough	Left	0.26	03/20/2018 03/20/2018	Bob Duffey

LM Start	0.10	Rating **	A	Issue No.	3
LM End	0.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.734240 °	39.734240 °
				-121.929565 °	-121.929565 °
DWR ID	DWR_NA0003_02A_s _ 2018_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
There is no vegetation on both slopes.					

Photo 1 of 1 : SP_2018_NA0003_66_3_20180402_00001.jpg



View of no vegetation on both slopes.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2018 Levee Inspection Results

Butte County Department of Public Works

Waterway			Bank	Unit Miles
Unit No. 03 Sycamore and Sheep Hollow Creeks			Right	4.05
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/20/2018 - 3/20/2018			
DWR Inspector	Bob Duffey			
Accompanied By	Shawn Bates Butte County			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	03/20/2018 03/20/2018	Bob Duffey

LM Start	0.02	Rating **	M	Issue No.	12
LM End	0.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.785970 °	39.785970 °
				-121.882797 °	-121.882797 °
DWR ID	DWR_NA0003_03_f_2015_12				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair the erosion on both slopes caused by motorcycle traffic.					

Photo 1 of 1 : SP_2018_NA0003_67_12_20180305_00002.jpg



View of the erosion on both slopes caused by motorcycle traffic.

LM Start	0.07	Rating **	M	Issue No.	3
LM End	0.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.786068 °	39.786068 °
				-121.881828 °	-121.881828 °
DWR ID	DWR_NA0003_03_s_2012_3				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair the erosion on landside slope caused by motorcycle traffic.					

Photo 1 of 1 : SP_2018_NA0003_67_3_20180305_00001.jpg



View of the erosion caused by motorcycles on the land side slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	03/20/2018 03/20/2018	Bob Duffey

LM Start	0.10	Rating **	A/W	Issue No.	23	
LM End	0.10	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.786195 °	39.786195 °	
				-121.881325 °	-121.881325 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51844						
DS_ID:19262						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 05/16/2017 Crossing has been downgraded from Non-Urgent to No Action Needed. The flap gate appears to be in good working order based on the photos, and the small pile of debris not enough to warrant Non-Urgent rating. (K. Fazel - UCIP)03/11/2014:Slide gate in CMP riser on waterside.The culvert was working during field inspection. (P. Amatya - DWR)						
FIELD_STRUCT_DESC: 42-inch corrugated metal gravity drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS slope. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end.						
[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.09)].						
FS Date: 3/11/2014						

LM Start	0.10	Rating **	A/W	Issue No.	23 (cont)
LM End	0.10	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_51844_58602.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.

Photo 2 of 3 : UCIP_SP_2018_51844_58601.jpg



WS view: U type concrete headwall of CMP culvert on levee slope. Grouted riprap levee slope and spillway.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	03/20/2018 03/20/2018	Bob Duffey

LM Start	0.10	Rating **	A/W	Issue No.	23 (cont)	
LM End	0.10	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.786195 °	39.786195 °	
				-121.881325 °	-121.881325 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51844 DS_ID:19262 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 05/16/2017 Crossing has been downgraded from Non-Urgent to No Action Needed. The flap gate appears to be in good working order based on the photos, and the small pile of debris not enough to warrant Non-Urgent rating. (K. Fazel - UCIP)03/11/2014:Slide gate in CMP riser on waterside.The culvert was working during field inspection. (P. Amatya - DWR) FIELD_STRUCT_DESC: 42-inch corrugated metal gravity drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS slope. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.09)]. FS Date: 3/11/2014						

Photo 3 of 3 : UCIP_SP_2018_51844_58600.jpg



WS view: slide gate in CMP riser on waterside shoulder.

LM Start	0.35	Rating **	M	Issue No.	15
LM End	0.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.785704 °	39.785704 °
				-121.877004 °	-121.877004 °
DWR ID	DWR_NA0003_03_f_2016_15				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2018_NA0003_67_15_20180305_00004.jpg



View of the overgrown tree along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	03/20/2018 03/20/2018	Bob Duffey

LM Start	0.39	Rating **	A/W	Issue No.	24
LM End	0.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.785262 °	39.785262 °
				-121.876622 °	-121.876622 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:32104 DS_ID:19278 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Slide gate in CMP riser on waterside.The culvert was working during the field visit. FIELD_STRUCT_DESC: 1 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 11.7 feet below the crown. Slide gate in a riser well on the waterside (WS) slope. Concrete U-shaped headwall on each end. Flap gate on the WS end. Grouted riprap outlet channel on the WS. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.39)]. FS Date: 3/11/2014					

LM Start	0.39	Rating **	A/W	Issue No.	24 (cont)
LM End	0.39	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_SP_2018_32104_58606.jpg



WS view: U type concrete headwall and three CMPs with slide gates on levee slope. Grouted riprap spillway.

Photo 2 of 2 : UCIP_SP_2018_32104_58605.jpg



LS view: U type concrete headwall and three CMPs on levee slope. Soil/mud on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	03/20/2018 03/20/2018	Bob Duffey

LM Start	0.39	Rating **	A/W	Issue No.	25	
LM End	0.39	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.785246 °		39.785246 °
				-121.876609 °		-121.876609 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:32105 DS_ID:19277 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Slide gate in CMP riser on waterside.The culvert was working during the field visit. FIELD_STRUCT_DESC: 2 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 11.7 feet below the crown. Slide gate in a riser well on the waterside (WS) slope. Concrete U-shaped headwall on each end. Flap gate on the WS end. Grouted riprap outlet channel on the WS. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.39)]. FS Date: 3/11/2014						

LM Start	0.39	Rating **	A/W	Issue No.	25 (cont)
LM End	0.39	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_SP_2018_32105_58608.jpg



WS view: U type concrete headwall and three CMPs with slide gates on levee slope. Grouted riprap spillway.

Photo 2 of 2 : UCIP_SP_2018_32105_58607.jpg



LS view: U type concrete headwall and three CMPs on levee slope. Soil/mud on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	03/20/2018 03/20/2018	Bob Duffey

LM Start	0.39	Rating **	A/W	Issue No.	26
LM End	0.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.785230 °	39.785230 °
				-121.876592 °	-121.876592 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:32106 DS_ID:19263 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Slide gate in CMP riser on waterside.The culvert was working during the field visit. FIELD_STRUCT_DESC: 3 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 11.7 feet below the crown. Slide gate in a riser well on the waterside (WS) slope. Concrete U-shaped headwall on each end. Flap gate on the WS end. Grouted riprap outlet channel on the WS. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.39)]. FS Date: 3/11/2014					

LM Start	0.39	Rating **	A/W	Issue No.	26 (cont)
LM End	0.39	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_SP_2018_32106_58610.jpg



WS view: U type concrete headwall and three CMPs with slide gates on levee slope. Grouted riprap spillway.

Photo 2 of 2 : UCIP_SP_2018_32106_58609.jpg



LS view: U type concrete headwall and three CMPs on levee slope. Soil/mud on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	03/20/2018 03/20/2018	Bob Duffey

LM Start	1.25	Rating **	A/W	Issue No.	27
LM End	1.25	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.779678 °	39.779678 °
				-121.862632 °	-121.862632 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:32107					
DS_ID:19264					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: The culvert was working during the field visit.					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe					
through the levee, 11.7 feet below the crown. Flap gate on the					
waterside (WS) end. Concrete U-shaped headwall on each end.					
[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento					
O&M Manual 504, May 1965, (HLM 1.28)].					
FS Date: 3/11/2014					

LM Start	1.25	Rating **	A/W	Issue No.	27 (cont)
LM End	1.25	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_32107_58613.jpg



WS view: U type concrete headwall and grouted riprap on levee slope.

Photo 2 of 3 : UCIP_SP_2018_32107_58612.jpg



WS view: U type concrete headwall, flapgate, and CMP on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	03/20/2018 03/20/2018	Bob Duffey

LM Start	1.25	Rating **	A/W	Issue No.	27 (cont)	
LM End	1.25	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.779678 °	39.779678 °	
				-121.862632 °	-121.862632 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:32107						
DS_ID:19264						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: The culvert was working during the field visit.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe						
through the levee, 11.7 feet below the crown. Flap gate on the						
waterside (WS) end. Concrete U-shaped headwall on each end.						
[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento						
O&M Manual 504, May 1965, (HLM 1.28)].						
FS Date: 3/11/2014						

Photo 3 of 3 : UCIP_SP_2018_32107_58611.jpg



LS view: U type concrete headwall and CMP on levee slope.

LM Start	1.34	Rating **	A	Issue No.	22
LM End	1.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.779405 °	39.779405 °
				-121.860965 °	-121.860965 °
DWR ID	DWR_NA0003_03_s_2018_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
There is no vegetation on both slopes.					

Photo 1 of 1 : SP_2018_NA0003_67_22_20180402_00038.jpg



View of the levee with no vegetation on both slopes.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	03/20/2018 03/20/2018	Bob Duffey

LM Start	1.50	Rating **	A/W	Issue No.	28	
LM End	1.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.779230 °	39.779230 °	
				-121.857945 °	-121.857945 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31899						
DS_ID:19265						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: Working during the field visit.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe						
through the levee, 11 feet below the crown. Flap gate on the waterside						
(WS) end. Concrete U-shaped headwall on each end. Grouted riprap						
apron on each end. [Additional Reference(s): DWR Levee Log, 1992.						
USACE Sacramento O&M Manual 504, May 1965, (HLM 1.53)].						
FS Date: 3/11/2014						

LM Start	1.50	Rating **	A/W	Issue No.	28 (cont)
LM End	1.50	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_SP_2018_31899_58187.jpg



WS view: U type concrete headwall, flapgate, and CMP on levee slope. Looks clean and clear.

Photo 2 of 2 : UCIP_SP_2018_31899_58186.jpg



LS view: U type concrete headwall and CMP on levee slope. Looks clean and clear.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	03/20/2018 03/20/2018	Bob Duffey

LM Start	1.96	Rating **	M	Issue No.	29
LM End	1.96	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.781714 °	39.781714 °
				-121.850868 °	-121.850868 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31900					
DS_ID:19266					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Needs location confirmation, GPS reading has not taken due to access problem.					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.00)].					
FS Date: 3/11/2014					

Photo 1 of 1 : UCIP_SP_2018_31900_58189.jpg



Bird's eye view: concrete headwall visible on both sides of the levee.
Grouted riprap spillway on waterside.

LM Start	2.17	Rating **	M	Issue No.	30
LM End	2.17	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.785290 °	39.785290 °
				-121.844235 °	-121.844235 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:32124 DS_ID:19267 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is about 4 feet below the crown. Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.23)]. FS Date: 3/7/2014					

Photo 1 of 3 : UCIP_SP_2018_32124_58625.jpg



WS view: concrete headwall, pipe, and flapgate on levee slope.
Vegetation and mud on outlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	03/20/2018 03/20/2018	Bob Duffey

LM Start	2.17	Rating **	M	Issue No.	30 (cont)	
LM End	2.17	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.785290 °	39.785290 °	
				-121.844235 °	-121.844235 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:32124 DS_ID:19267 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is about 4 feet below the crown. Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.23)]. FS Date: 3/7/2014						

LM Start	2.17	Rating **	M	Issue No.	30 (cont)
LM End	2.17	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_32124_58624.jpg



LS view: U type concrete headwall of CMP culvert on levee slope. Vegetation on inlet box.

Photo 3 of 3 : UCIP_SP_2018_32124_58627.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	03/20/2018 03/20/2018	Bob Duffey

LM Start	2.22	Rating **	M	Issue No.	31
LM End	2.22	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.785917 °	39.785917 °	
			-121.844502 °	-121.844502 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41872 DS_ID:19268 EP_NO: 14512 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing and install gasoline markers if appropriate. FIELD_STRUCT_DESC: 6-inch coated steel high-pressure natural gas main through the levee, 2 feet below the crown. Paddle marker on the landside (LS) slope. (Plans to install a 6-inch high-pressure gas main under three levees and Sheep Hollow and Sycamore Creeks authorized under Permit No. 14512, 1986 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 3/7/2014					

No Photos

LM Start	3.08	Rating **	M	Issue No.	32
LM End	3.08	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.778016 °	39.778016 °	
			-121.854460 °	-121.854460 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31901 DS_ID:19269 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.16)]. FS Date: 3/7/2014					

Photo 1 of 3 : UCIP_SP_2018_31901_58194.jpg



WS view: U type concrete headwall, flapgate, and CMP on levee slope.
Needs cleaning and clearing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	03/20/2018 03/20/2018	Bob Duffey

LM Start	3.08	Rating **	M	Issue No.	32 (cont)	
LM End	3.08	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.778016 °		39.778016 °
				-121.854460 °		-121.854460 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31901 DS_ID:19269 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.16)]. FS Date: 3/7/2014						

LM Start	3.08	Rating **	M	Issue No.	32 (cont)
LM End	3.08	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_31901_58193.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

Photo 3 of 3 : UCIP_SP_2018_31901_58195.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	03/20/2018 03/20/2018	Bob Duffey

LM Start	3.19	Rating **	A/W	Issue No.	33
LM End	3.19	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.777463 °	39.777463 °
				-121.852512 °	-121.852512 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31902 DS_ID:19270 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.28)]. FS Date: 3/7/2014					

LM Start	3.19	Rating **	A/W	Issue No.	33 (cont)
LM End	3.19	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_31902_58201.jpg



WS view: U type concrete headwall and grouted riprap spillway on levee slope.

Photo 2 of 3 : UCIP_SP_2018_31902_58200.jpg



WS view: U type concrete headwall and CMP on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	03/20/2018 03/20/2018	Bob Duffey

LM Start	3.19	Rating **	A/W	Issue No.	33 (cont)	
LM End	3.19	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.777463 °	39.777463 °	
				-121.852512 °	-121.852512 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31902						
DS_ID:19270						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.28)].						
FS Date: 3/7/2014						

Photo 3 of 3 : UCIP_SP_2018_31902_58199.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

LM Start	3.34	Rating **	M	Issue No.	34
LM End	3.34	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.777410 °	39.777410 °
				-121.849627 °	-121.849627 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31864 DS_ID:19271 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.43)]. FS Date: 3/7/2014					

Photo 1 of 3 : UCIP_SP_2018_31864_58069.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box. Vegetation debris blocking outlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	03/20/2018 03/20/2018	Bob Duffey

LM Start	3.34	Rating **	M	Issue No.	34 (cont)	
LM End	3.34	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.777410 °		39.777410 °
				-121.849627 °		-121.849627 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31864						
DS_ID:19271						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Needs cleaning and clearing the culvert.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe						
through the levee, 10.5 feet below the crown. Flap gate on the						
waterside (WS) end. Concrete U-shaped headwall on each end.						
Grouted riprap apron on the landside (LS) end. Grouted riprap spillway						
on the WS end. [Additional Reference(s): DWR Levee Log, 1992.						
USACE Sacramento O&M Manual 504, May 1965, (HLM 3.43)].						
FS Date: 3/7/2014						

LM Start	3.34	Rating **	M	Issue No.	34 (cont)
LM End	3.34	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_31864_58068.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

Photo 3 of 3 : UCIP_SP_2018_31864_58067.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	03/20/2018 03/20/2018	Bob Duffey

LM Start	3.38	Rating **	M	Issue No.	14
LM End	3.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.777429 °	39.777429 °
				-121.848937 °	-121.848937 °
DWR ID	DWR_NA0003_03_f_2016_14				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2018_NA0003_67_14_20180305_00003.jpg



View of a bush along the landside toe.

LM Start	3.50	Rating **	M	Issue No.	35
LM End	3.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.777139 °	39.777139 °
				-121.846769 °	-121.846769 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31856					
DS_ID:19272					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing the culvert.					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.59)].					
FS Date: 3/7/2014					

Photo 1 of 3 : UCIP_SP_2018_31856_58053.jpg


 WS view: U type concrete headwall, pipe, and flapgate on levee slope.
 Soil/mud on outlet box.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	03/20/2018 03/20/2018	Bob Duffey

LM Start	3.50	Rating **	M	Issue No.	35 (cont)	
LM End	3.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.777139 °		39.777139 °
				-121.846769 °		-121.846769 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31856						
DS_ID:19272						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Needs cleaning and clearing the culvert.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.59)].						
FS Date: 3/7/2014						

LM Start	3.50	Rating **	M	Issue No.	35 (cont)
LM End	3.50	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_31856_58052.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

Photo 3 of 3 : UCIP_SP_2018_31856_58051.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	03/20/2018 03/20/2018	Bob Duffey

LM Start	3.65	Rating **	M	Issue No.	36	
LM End	3.65	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.777381 °	39.777381 °	
				-121.844052 °	-121.844052 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31851 DS_ID:19273 EP_NO: 14512 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: A 6-inch steel pipe attached to the Cohasset Road Bridge. Not confirmed whether this is a gasoline pipe. FIELD_STRUCT_DESC: 6-inch coated steel high-pressure natural gas main through the levee, 2 feet below the crown. (Plans to install a 6-inch high-pressure gas main under three levees and Sheep Hollow and Sycamore Creeks authorized under Permit No. 14512, 1986 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 3/7/2014						

Photo 1 of 1 : UCIP_SP_2018_31851_58041.jpg



WS view: 6-inch steel pipe attached to Cohasset Road Bridge. Needs confirmation from LMA whether this is a gasoline.

LM Start	3.68	Rating **	M	Issue No.	37
LM End	3.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.777662 °	39.777662 °
				-121.843489 °	-121.843489 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:32125 DS_ID:19275 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: The culvert was working during the field visit.Needs cleaning and clearing on both ends of the pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.76)]. FS Date: 3/4/2014					

Photo 1 of 2 : UCIP_SP_2018_32125_58629.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box. Vegetation debris blocking outlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	03/20/2018 03/20/2018	Bob Duffey

LM Start	3.68	Rating **	M	Issue No.	37 (cont)	
LM End	3.68	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.777662 °		39.777662 °
				-121.843489 °		-121.843489 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:32125 DS_ID:19275 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: The culvert was working during the field visit.Needs cleaning and clearing on both ends of the pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.76)]. FS Date: 3/4/2014						

Photo 2 of 2 : UCIP_SP_2018_32125_58628.jpg



LS view: U type concrete headwall and pipe on levee slope. Soil/mud on inlet box. Vegetation debris blocking inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2018 Levee Inspection Results

Butte County Department of Public Works

Waterway			Bank	Unit Miles
Unit No. 04 Sycamore and Dry Creeks			Right	2.86
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/20/2018 - 3/20/2018			
DWR Inspector	Bob Duffey			
Accompanied By	Shawn Bates Butte County			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	03/20/2018 03/20/2018	Bob Duffey

LM Start	0.16	Rating **	M	Issue No.	20
LM End	0.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.776526 °	39.776526 °
				-121.848727 °	-121.848727 °
DWR ID	DWR_NA0003_04_f_2016_20				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2018_NA0003_68_20_20180305_00006.jpg



View of the vegetation along the landside toe blocking visibility.

LM Start	0.27	Rating **	M	Issue No.	25
LM End	0.27	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.776554 °	39.776554 °
				-121.850730 °	-121.850730 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:32026 DS_ID:19279 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.28)]. FS Date: 3/7/2014					

Photo 1 of 3 : UCIP_SP_2018_32026_58520.jpg



WS view: concrete headwall and grouted riprap spillway on levee slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	03/20/2018 03/20/2018	Bob Duffey

LM Start	0.27	Rating **	M	Issue No.	25 (cont)	
LM End	0.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.776554 °		39.776554 °
				-121.850730 °		-121.850730 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:32026 DS_ID:19279 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.28)]. FS Date: 3/7/2014						

LM Start	0.27	Rating **	M	Issue No.	25 (cont)
LM End	0.27	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_32026_58519.jpg



WS view: U type concrete headwall and CMP on levee slope. Mud and vegetation debris on outlet box.

Photo 3 of 3 : UCIP_SP_2018_32026_58518.jpg



LS view: U type concrete headwall and CMP on levee slope. Mud and pebbles on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	03/20/2018 03/20/2018	Bob Duffey

LM Start	0.33	Rating **	M	Issue No.	26
LM End	0.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.775926 °	39.775926 °
				-121.850647 °	-121.850647 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:32025 DS_ID:19280 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate in a CMP riser. Vegetation debris and mud on inlet box.Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee and under the channel, 9.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.34)]. FS Date: 3/7/2014					

LM Start	0.33	Rating **	M	Issue No.	26 (cont)
LM End	0.33	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_32025_58512.jpg



WS view: slide gate in CMP riser on waterside shoulder.

Photo 2 of 3 : UCIP_SP_2018_32025_58511.jpg



WS view: inside view of slide gate in CMP riser on waterside shoulder.
Debris trapped in the riser.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	03/20/2018 03/20/2018	Bob Duffey

LM Start	0.33	Rating **	M	Issue No.	26 (cont)	
LM End	0.33	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.775926 °	39.775926 °	
				-121.850647 °	-121.850647 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:32025 DS_ID:19280 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate in a CMP riser. Vegetation debris and mud on inlet box.Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee and under the channel, 9.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.34)]. FS Date: 3/7/2014						

Photo 3 of 3 : UCIP_SP_2018_32025_58510.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud on inlet box.

LM Start	0.35	Rating **	M	Issue No.	27
LM End	0.35	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.775682 °	39.775682 °
				-121.850375 °	-121.850375 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:32023 DS_ID:19281 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.36)]. FS Date: 3/7/2014					

Photo 1 of 3 : UCIP_SP_2018_32023_58505.jpg



WS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud on outlet box. Needs cleaning and clearing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	03/20/2018 03/20/2018	Bob Duffey

LM Start	0.35	Rating **	M	Issue No.	27 (cont)	
LM End	0.35	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.775682 °	39.775682 °	
				-121.850375 °	-121.850375 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:32023						
DS_ID:19281						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Needs cleaning and clearing the culvert.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.36)].						
FS Date: 3/7/2014						

LM Start	0.35	Rating **	M	Issue No.	27 (cont)
LM End	0.35	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_32023_58504.jpg



LS view: U type concrete headwall and CMP on levee slope. Pebbles and mud on inlet box.

Photo 3 of 3 : UCIP_SP_2018_32023_58503.jpg



LS view: inside view of the CM pipe. Needs cleaning and clearing the pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	03/20/2018 03/20/2018	Bob Duffey

LM Start	0.35	Rating **	M	Issue No.	21
LM End	0.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.775672 °	39.775220 °
				-121.850301 °	-121.849805 °
DWR ID	DWR_NA0003_04_f_2016_21				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim trees. Remove trees smaller than 4-inches in diamter at chest height.					

Photo 1 of 1 : SP_2018_NA0003_68_21_20180305_00007.jpg



View of the overgrown trees along the landside toe.

LM Start	0.92	Rating **	M	Issue No.	28
LM End	0.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.775704 °	39.775704 °
				-121.850901 °	-121.850901 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:32143 DS_ID:19287 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.96)]. FS Date: 3/7/2014					

Photo 1 of 2 : UCIP_SP_2018_32143_58641.jpg



WS view: U type concrete headwall and CMP on levee slope. Soil/mud on outlet box. Needs cleaning and clearing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	03/20/2018 03/20/2018	Bob Duffey

LM Start	0.92	Rating **	M	Issue No.	28 (cont)
LM End	0.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.775704 °	39.775704 °
				-121.850901 °	-121.850901 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:32143					
DS_ID:19287					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing the culvert.					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.96)].					
FS Date: 3/7/2014					

Photo 2 of 2 : UCIP_SP_2018_32143_58640.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation and mud on inlet box.

LM Start	0.92	Rating **	M	Issue No.	29
LM End	0.92	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.775729 °	39.775729 °
				-121.850950 °	-121.850950 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31946 DS_ID:19293 EP_NO: 15950 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Only little gasoline indicator flags found on both sides of the levee and across the creek. FIELD_STRUCT_DESC: 6-inch high-pressure natural gas main line of an unknown material through both levees and under Dry Creek, 2 feet below the crown. (Plans to place a 6-inch high-pressure gas main under both levees and creek bed to a depth of 5 feet across Dry Creek authorized under Permit No. 15950, 1992 - Pacific Gas and Electric Company [PG&E]). FS Date: 3/7/2014					

Photo 1 of 2 : UCIP_SP_2018_31946_58357.jpg



WS view: little gasoline indicator (yellow flags) on both sides of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	03/20/2018 03/20/2018	Bob Duffey

LM Start	0.92	Rating **	M	Issue No.	29 (cont)	
LM End	0.92	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.775729 °		39.775729 °
				-121.850950 °		-121.850950 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31946 DS_ID:19293 EP_NO: 15950 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Only little gasoline indicator flags found on both sides of the levee and across the creek. FIELD_STRUCT_DESC: 6-inch high-pressure natural gas main line of an unknown material through both levees and under Dry Creek, 2 feet below the crown. (Plans to place a 6-inch high-pressure gas main under both levees and creek bed to a depth of 5 feet across Dry Creek authorized under Permit No. 15950, 1992 - Pacific Gas and Electric Company [PG&E]). FS Date: 3/7/2014						

Photo 2 of 2 : UCIP_SP_2018_31946_58356.jpg



WS view: close up view of little gasoline indicator.

LM Start	0.94	Rating **	M	Issue No.	30
LM End	0.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.775899 °	39.775899 °
				-121.851124 °	-121.851124 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:32144 DS_ID:19288 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate in CMP riser on waterside. No access to CMP riser.Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee and under the channel, 9.5 feet below the crown. Slide gate in a pipe riser on the waterside (WS) slope. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.98)]. FS Date: 3/7/2014					

Photo 1 of 3 : UCIP_SP_2018_32144_58644.jpg



LS view: U type concrete headwall of CMP culvert on levee slope.
Vegetation debris and mud on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	03/20/2018 03/20/2018	Bob Duffey

LM Start	0.94	Rating **	M	Issue No.	30 (cont)	
LM End	0.94	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.775899 °		39.775899 °
				-121.851124 °		-121.851124 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:32144 DS_ID:19288 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate in CMP riser on waterside. No access to CMP riser.Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee and under the channel, 9.5 feet below the crown. Slide gate in a pipe riser on the waterside (WS) slope. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.98)]. FS Date: 3/7/2014						

LM Start	0.94	Rating **	M	Issue No.	30 (cont)
LM End	0.94	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_32144_58643.jpg



LS view: close view of vegetation debris and mud on inlet box.

Photo 3 of 3 : UCIP_SP_2018_32144_58642.jpg



WS view: slide gate in CMP riser on waterside. No access to CMP riser.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	03/20/2018 03/20/2018	Bob Duffey

LM Start	0.94	Rating **	M	Issue No.	1
LM End	1.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.776013 °	39.776595 °
				-121.851175 °	-121.852005 °
DWR ID	DWR_NA0003_04_s_2012_1				
Comment Code					
FE : Fence					
Inspector Comment					
Chainlink fences are unpermitted.					

Photo 1 of 1 : SP_2018_NA0003_68_1_20180305_00001.jpg



View of the fence and trees along the landside toe of the levee.

LM Start	1.04	Rating **	M	Issue No.	23
LM End	1.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.776589 °	39.776589 °
				-121.852600 °	-121.852600 °
DWR ID	DWR_NA0003_04_f_2016_23				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2018_NA0003_68_23_20180305_00009.jpg



View of the blackberries blocking visibility and access.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	03/20/2018 03/20/2018	Bob Duffey

LM Start	1.11	Rating **	M	Issue No.	31
LM End	1.11	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.776709 °	39.776709 °
				-121.853932 °	-121.853932 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31963 DS_ID:19289 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.15)]. FS Date: 3/7/2014					

LM Start	1.11	Rating **	M	Issue No.	31 (cont)
LM End	1.11	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_31963_58384.jpg



WS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud on outlet box. Needs cleaning and clearing.

Photo 2 of 3 : UCIP_SP_2018_31963_58383.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	03/20/2018 03/20/2018	Bob Duffey

LM Start	1.11	Rating **	M	Issue No.	31 (cont)	
LM End	1.11	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.776709 °	39.776709 °	
				-121.853932 °	-121.853932 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31963 DS_ID:19289 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.15)]. FS Date: 3/7/2014						

Photo 3 of 3 : UCIP_SP_2018_31963_58385.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	1.11	Rating **	U	Issue No.	3
LM End	1.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.776760 °	39.777650 °
				-121.854022 °	-121.855687 °
DWR ID	DWR_NA0003_04_s_2012_3				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP_2018_NA0003_68_3_20180305_00003.jpg



View of the fence along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	03/20/2018 03/20/2018	Bob Duffey

LM Start	1.16	Rating **	M	Issue No.	17
LM End	1.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.777128 °	39.777580 °
				-121.854763 °	-121.855612 °
DWR ID	DWR_NA0003_04_f_2015_17				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Remove the trees that are overhanging the levee slope.					

Photo 1 of 1 : SP_2018_NA0003_68_17_20180305_00004.jpg



View of the trees overhanging the levee slope.

LM Start	1.23	Rating **	M	Issue No.	22
LM End	1.27	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.777700 °	39.777988 °
				-121.855877 °	-121.856448 °
DWR ID	DWR_NA0003_04_s_2018_22				
Comment Code					
FE : Fence					
Inspector Comment					
Butte County is writing a letter requesting that landowner to remove the fence.					

Photo 1 of 1 : SP_2018_NA0003_68_22_20180402_00039.jpg



View of the fence being built without a permit.

LM Start	1.27	Rating **	M	Issue No.	2
LM End	1.36	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.778003 °	39.778378 °
				-121.856403 °	-121.857953 °
DWR ID	DWR_NA0003_04_s_2012_2				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2018_NA0003_68_2_20180305_00002.jpg



View of ditch at the landside toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	03/20/2018 03/20/2018	Bob Duffey

LM Start	1.35	Rating **	M	Issue No.	32	
LM End	1.35	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.778370 °		39.778370 °
				-121.857904 °		-121.857904 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31964 DS_ID:19290 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.41)]. FS Date: 3/7/2014						

LM Start	1.35	Rating **	M	Issue No.	32 (cont)
LM End	1.35	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_SP_2018_31964_58389.jpg



WS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud in outlet box. Needs cleaning and clearing.

Photo 2 of 2 : UCIP_SP_2018_31964_58388.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud in inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	03/20/2018 03/20/2018	Bob Duffey

LM Start	1.54	Rating **	A	Issue No.	16
LM End	1.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.778605 °	39.778605 °
				-121.861485 °	-121.861485 °
DWR ID	DWR_NA0003_04_s_2018_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
There is no vegetation on both slopes.					

Photo 1 of 1 : SP_2018_NA0003_68_16_20180402_00038.jpg



View of the levee with no vegetation on both slopes.

LM Start	2.04	Rating **	U	Issue No.	18
LM End	2.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.781669 °	39.782025 °
				-121.869804 °	-121.870252 °
DWR ID	DWR_NA0003_04_s_2016_18				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trees and shrubbery obscure visibility on landside toe hinge point.					

Photo 1 of 1 : SP_2018_NA0003_68_18_20180305_00005.jpg



View of the vegetation on fence at landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	03/20/2018 03/20/2018	Bob Duffey

LM Start	2.15	Rating **	M	Issue No.	33
LM End	2.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.782777 °	39.782777 °
				-121.871179 °	-121.871179 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31965 DS_ID:19291 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.22)]. FS Date: 3/7/2014					

LM Start	2.15	Rating **	M	Issue No.	33 (cont)
LM End	2.15	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_31965_58395.jpg



WS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud in outlet box. Needs cleaning and clearing.

Photo 2 of 3 : UCIP_SP_2018_31965_58394.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud in inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	03/20/2018 03/20/2018	Bob Duffey

LM Start	2.15	Rating **	M	Issue No.	33 (cont)	
LM End	2.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.782777 °	39.782777 °	
				-121.871179 °	-121.871179 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31965 DS_ID:19291 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.22)]. FS Date: 3/7/2014						

Photo 3 of 3 : UCIP_SP_2018_31965_58393.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	2.47	Rating **	M	Issue No.	34
LM End	2.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.784244 °	39.784244 °
				-121.876810 °	-121.876810 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31966					
DS_ID:19292					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing the culvert.					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.56)].					
FS Date: 3/7/2014					

Photo 1 of 3 : UCIP_SP_2018_31966_58401.jpg



WS view: U type concrete headwall and grouted riprap spillway on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	03/20/2018 03/20/2018	Bob Duffey

LM Start	2.47	Rating **	M	Issue No.	34 (cont)	
LM End	2.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.784244 °	39.784244 °	
				-121.876810 °	-121.876810 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31966 DS_ID:19292 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.56)]. FS Date: 3/7/2014						

LM Start	2.47	Rating **	M	Issue No.	34 (cont)
LM End	2.47	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_31966_58400.jpg



WS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud on outlet box. Needs cleaning and clearing.

Photo 3 of 3 : UCIP_SP_2018_31966_58399.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud in pipe and inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	03/20/2018 03/20/2018	Bob Duffey

LM Start	2.49	Rating **	M	Issue No.	24
LM End	2.61	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.784408 °	39.785619 °
				-121.877053 °	-121.878604 °
DWR ID	DWR_NA0003_04_f_2016_24				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2018_NA0003_68_24_20180305_00010.jpg



View of a ditch along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2018 Levee Inspection Results

Butte County Department of Public Works

Waterway			Bank	Unit Miles
Unit No. 05 Big Chico Diversion			Left	1.85
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/20/2018 - 3/20/2018			
DWR Inspector	Bob Duffey			
Accompanied By	Shawn Bates Butte County			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Big Chico Diversion	Left	1.85	03/20/2018 03/20/2018	Bob Duffey

LM Start	0.21	Rating **	C	Issue No.	4
LM End	0.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.761957 °	39.761892 °
				-121.792867 °	-121.793705 °
DWR ID	DWR_NA0003_05_f_2014_4				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
The vegetation was removed from the waterside slope.					

No Photos

LM Start	0.25	Rating **	C	Issue No.	7
LM End	0.25	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.761900 °	39.761900 °
				-121.793635 °	-121.793635 °
DWR ID	DWR_NA0003_05_f_2015_7				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The trees was removed from the waterside slope and toe.					

No Photos

LM Start	0.26	Rating **	C	Issue No.	8
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.761795 °	39.761795 °
				-121.793790 °	-121.793790 °
DWR ID	DWR_NA0003_05_f_2015_8				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The trees was removed from the landside toe.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Big Chico Diversion	Left	1.85	03/20/2018 03/20/2018	Bob Duffey

LM Start	0.33	Rating **	C	Issue No.	9
LM End	0.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.761642 °	39.761642 °
				-121.795008 °	-121.795008 °
DWR ID	DWR_NA0003_05_s_2017_9				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
The vegetation has been removed from the water side slope and toe.					

No Photos

LM Start	0.34	Rating **	C	Issue No.	3
LM End	0.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.761633 °	39.761117 °
				-121.795155 °	-121.796464 °
DWR ID	DWR_NA0003_05_f_2013_3				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
The vegetation has been removed from the landside slope and toe.					

No Photos

LM Start	0.41	Rating **	C	Issue No.	10
LM End	0.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.761203 °	39.761203 °
				-121.796328 °	-121.796328 °
DWR ID	DWR_NA0003_05_s_2017_10				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The down tree on slope as well as trees smaller than 4-inches in diameter have been removed.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Big Chico Diversion	Left	1.85	03/20/2018 03/20/2018	Bob Duffey

LM Start	0.42	Rating **	M	Issue No.	11
LM End	0.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.761077 °	39.761077 °
				-121.796576 °	-121.796576 °
DWR ID	DWR_NA0003_05_f_2016_11				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2018_NA0003_69_11_20180305_00009.jpg



View of the damaged slope by foot traffic.

LM Start	0.50	Rating **	M	Issue No.	12
LM End	0.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.761836 °	39.763507 °
				-121.797316 °	-121.802545 °
DWR ID	DWR_NA0003_05_f_2016_12				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP_2018_NA0003_69_12_20180305_00010.jpg



View of the trees along the landside slope.

LM Start	0.85	Rating **	A	Issue No.	14
LM End	1.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.764702 °	39.775426 °
				-121.803562 °	-121.814201 °
DWR ID	DWR_NA0003_05_f_2017_14				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
There is native grasses from both slopes.					

Photo 1 of 2 : SP_2018_NA0003_69_14_20180402_00014.jpg



View of the levee with native vegetation on both slopes.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Big Chico Diversion	Left	1.85	03/20/2018 03/20/2018	Bob Duffey

LM Start	0.85	Rating **	A	Issue No.	14 (cont)	
LM End	1.85	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			39.764702 °		39.775426 °
				-121.803562 °		-121.814201 °
DWR ID	DWR_NA0003_05_f_2017_14					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
There is native grasses from both slopes.						

Photo 2 of 2 : SP_2018_NA0003_69_14_20180305_00012.jpg



View of native grasses on both slopes.

LM Start	0.89	Rating **	A/W	Issue No.	6
LM End	0.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.764397 °	39.764397 °
				-121.803335 °	-121.803335 °
DWR ID	DWR_NA0003_05_f_2014_6				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry is not completely blocking the visibility.					

No Photos

LM Start	1.25	Rating **	M	Issue No.	13
LM End	1.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.768621 °	39.768621 °
				-121.807052 °	-121.807052 °
DWR ID	DWR_NA0003_05_f_2016_13				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2018_NA0003_69_13_20180305_00011.jpg



View of the damaged slope by foot traffic.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2018

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Big Chico Diversion	Left	1.85	03/20/2018 03/20/2018	Bob Duffey

LM Start	1.34	Rating **	M	Issue No.	16							
LM End	1.34	Issue Type +	En	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DWR UCIP Field Study		39.769761 °	39.769761 °								
			-121.808152 °	-121.808152 °								
DWR ID												
Comment Code												
Inspector Comment												
FS_ID:41440 DS_ID:19300 EP_NO: 13368 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: No marker or indicator found. FIELD_STRUCT_DESC: 15-inch reinforced concrete sanitary sewer pipeline through the levee and under the Big Chico Creek Diversion Channel, 17 feet below the crown. (Plans to install a 15-inch sanitary sewer pipeline 3 feet beneath the thalweg of Big Chico Creek Diversion Channel authorized under Permit No. 13368, 1982 - Northeast Chico Sewer Assessment District). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 3/4/2014												

No Photos

LM Start	1.56	Rating **	U	Issue No.	15							
LM End	1.56	Issue Type +	En	Location *	LS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Encroachments		39.772190 °	39.772190 °								
			-121.810700 °	-121.810700 °								
DWR ID	DWR_NA0003_05_f_2017_15											
Comment Code												
RW : Retaining Wall												
Inspector Comment												
The developer cut a paved road, gutter and large rocks in slope/toe of the levee. I asked Butte County Public Works to send the developer an enforcement letter regarding this encroachment.												

Photo 1 of 1 : SP_2018_NA0003_69_15_20180305_00013.jpg



View of the housing track road cutting into the levees slope and toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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